

## CURRICULUM VITAE

KENNETH H. DOWNING

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## EDUCATION

Cornell University BS 6/67 Engineering Physics  
Cornell University PhD 9/73 Applied Physics

## EMPLOYMENT

9/73-2/74      Cornell University, Department of Applied Physics.  
Postdoctoral Research Associate  
2/74-7/77      Swiss Federal Institute of Technology (ETH), Institute for  
Cell Biology. Scientific Collaborator  
8/77-12/87      Lawrence Berkeley Laboratory, Donner Laboratory.  
Staff Scientist II  
12/87-12/93      Lawrence Berkeley Laboratory, Donner Laboratory.  
Staff Scientist III  
12/93 - present      Lawrence Berkeley National Laboratory, Donner Laboratory.  
Senior Scientist  
12/99 – present      Faculty Member, Graduate Group in Comparative Biochemistry, University  
of California, Berkeley

## AWARDS, ACHIEVEMENTS AND SERVICE

Tau Beta Pi Engineering Honorary  
NIH Predoctoral Fellowship, 1969-1972  
Electron Microscopy Society of America Presidential Scholarship, 1972  
Northern California Society for Electron Microscopy: Council, 1981-84  
President, 1982-83  
Advisory Committee, National Center for Electron Microscopy 1998 - 2008  
Editorial Boards: Journal of Microscopy, 1993-1997  
Microscopy Research & Technique, 1997 – present  
Senior Associate Editor, 2003 - 2009  
Ultramicroscopy, 2001 - present  
Microscopy Society of America: Council, 1999-2002  
President 2000  
US National Committee for Crystallography, 2003 – 3005

Center Advisory Committee, Cornell Physical Sciences – Oncology Center 2010-2014  
Scientific Advisory Board, Max Planck Institute for Biophysics, Frankfurt 2010 - present  
Elected Fellow, Microscopy Society of America, 2/2010

U. S. Patent # 5,998,790: Transmission Electron Microscope CCD Camera 1/10/2000  
U. S. Patent Application, A Method for Identification, Selection, Design, Evaluation and  
Modification of Compounds Binding to Tubulin; filed 2/4/02

Graduate students:

Alison Killilea (PhD 2009), Jonathan Remis (MS 2012), Nisreen Hejab

PhD Thesis advisory/exam committees:

Karen Han (UCSF 1997), Grant Jensen (Stanford 1999), Patricia Grob (University of  
Grenoble, 2000), Jintong Hou (UCB 2001), Chardonnay Julia Vance (UCB 2008), Yong Bai  
(UCB 2006), Sebastian Deindl (UCB 2009), Fernando Amat (Stanford 2010), Danielle  
Jorgens (UCB, 2013), Mauro Maiorca (University of Melbourne, 2014)

#### MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science 1990 - present  
American Society for Cell Biology 1985 - present  
Biophysical Society 1975 - present  
Microscopy Society of America 1970 – present (Fellow)